

## Router 0

The screenshot shows the configuration interface for Router0. The 'Config' tab is selected, and the 'Static Routes' section is active. The left sidebar contains a tree view with categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (FastEthernet0/0, FastEthernet0/1, Serial0/3/0). The main area has input fields for 'Network', 'Mask', and 'Next Hop', followed by an 'Add' button. Below this is a table of configured static routes. The table has two rows: one for 192.168.2.128/26 via 192.168.2.226 and another for 192.168.2.192/27 via 192.168.2.226. A 'Remove' button is at the bottom right of the table. At the bottom of the window, a section titled 'Equivalent IOS Commands' displays a terminal log with messages about interface state changes and configuration commands.

Router0

Physical **Config** CLI Attributes

**GLOBAL**

- Settings
- Algorithm Settings

**ROUTING**

- Static
- RIP

**SWITCHING**

- VLAN Database

**INTERFACE**

- FastEthernet0/0
- FastEthernet0/1
- Serial0/3/0

Static Routes

Network

Mask

Next Hop

Add

Network Address
192.168.2.128/26 via 192.168.2.226
192.168.2.192/27 via 192.168.2.226

Remove

Equivalent IOS Commands

```
%LINK-5-CHANGED: Interface Serial0/3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/3/0, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
Router(config)#
Router(config)#
```

## Router 1

Router1

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/3/0

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.1.0/24 via 192.168.2.225

192.168.2.0/25 via 192.168.2.225

Remove

Equivalent IOS Commands

```
%LINK-5-CHANGED: Interface Serial0/3/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/3/0, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
Router(config)#
Router(config)#
```

PC4

PC4

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.2.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.2.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2D0:BCFF:FE36:BE06

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

Top

PC5

PC5

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::230:F2FF:FE7C:8038

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

Top

PC6

PC6

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.2.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.2.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::260:5CFF:FE56:E2D8

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

Top

PC7

PC7

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::201:63FF:FE8D:8198

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

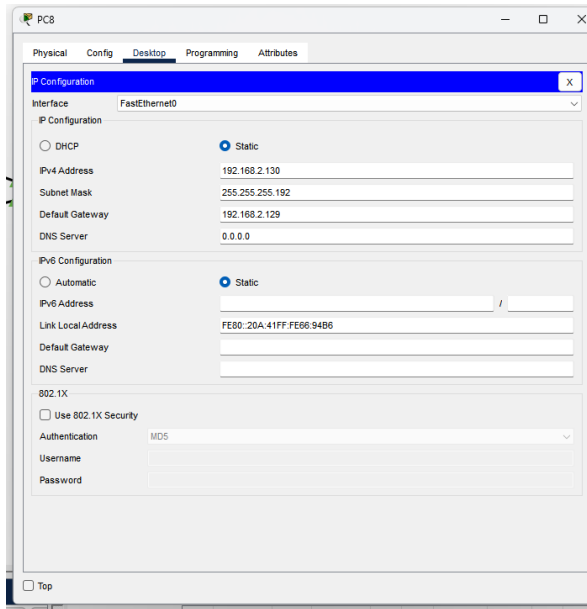
Authentication MDS

Username

Password

Top

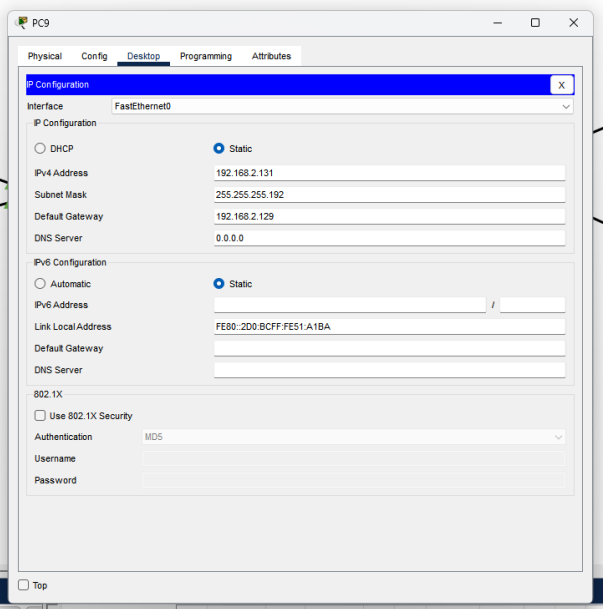
PC8



PC8 configuration window showing IP Configuration for FastEthernet0. The interface is configured with Static IP, IPv4 Address 192.168.2.130, Subnet Mask 255.255.255.192, Default Gateway 192.168.2.129, and DNS Server 0.0.0.0. IPv6 Configuration is also Static, with IPv6 Address, Link Local Address FE80::20A:41FF:FE66:94B6, Default Gateway, and DNS Server. 802.1X Security is disabled, and Authentication is set to MD5.

Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	192.168.2.130
Subnet Mask	255.255.255.192
Default Gateway	192.168.2.129
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> Automatic	<input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::20A:41FF:FE66:94B6
Default Gateway	
DNS Server	
802.1X	
<input type="checkbox"/> Use 802.1X Security	
Authentication	MD5
Username	
Password	

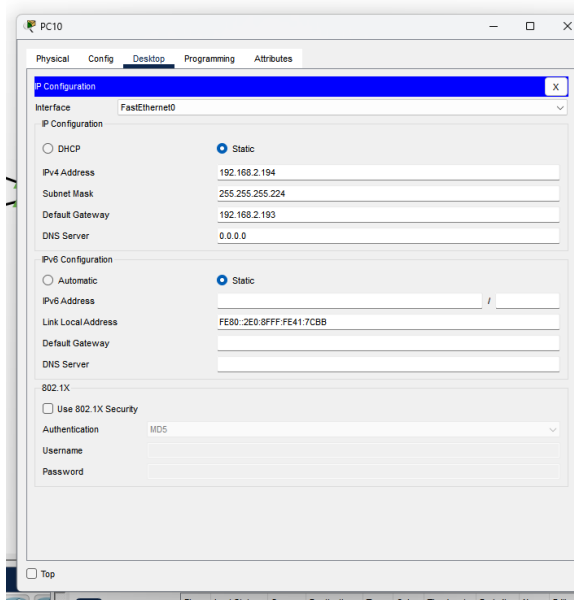
PC9



PC9 configuration window showing IP Configuration for FastEthernet0. The interface is configured with Static IP, IPv4 Address 192.168.2.131, Subnet Mask 255.255.255.192, Default Gateway 192.168.2.129, and DNS Server 0.0.0.0. IPv6 Configuration is also Static, with IPv6 Address, Link Local Address FE80::2D0:BCFF:FE51:A1BA, Default Gateway, and DNS Server. 802.1X Security is disabled, and Authentication is set to MD5.

Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	192.168.2.131
Subnet Mask	255.255.255.192
Default Gateway	192.168.2.129
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> Automatic	<input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::2D0:BCFF:FE51:A1BA
Default Gateway	
DNS Server	
802.1X	
<input type="checkbox"/> Use 802.1X Security	
Authentication	MD5
Username	
Password	

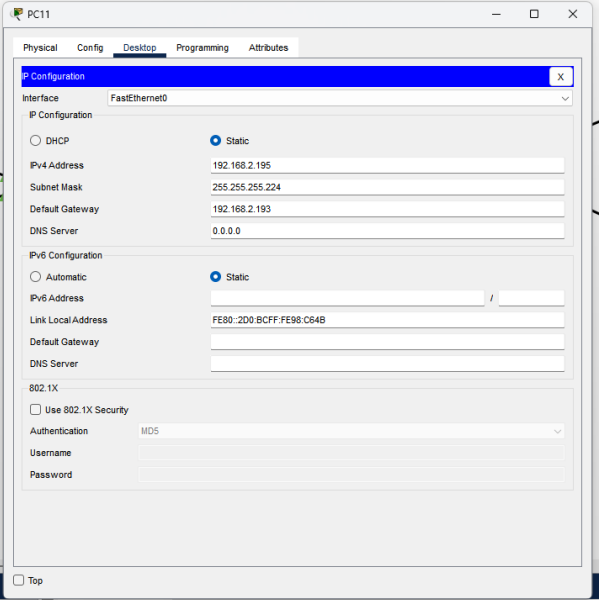
PC10



PC10 configuration window showing IP Configuration for FastEthernet0. The interface is configured with Static IP, IPv4 Address 192.168.2.194, Subnet Mask 255.255.255.224, Default Gateway 192.168.2.193, and DNS Server 0.0.0.0. IPv6 Configuration is also Static, with IPv6 Address, Link Local Address FE80::2E0:8FFF:FE41:7CBB, Default Gateway, and DNS Server. 802.1X Security is disabled, and Authentication is set to MD5.

Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	192.168.2.194
Subnet Mask	255.255.255.224
Default Gateway	192.168.2.193
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> Automatic	<input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::2E0:8FFF:FE41:7CBB
Default Gateway	
DNS Server	
802.1X	
<input type="checkbox"/> Use 802.1X Security	
Authentication	MD5
Username	
Password	

PC11



PC11 configuration window showing IP Configuration for FastEthernet0. The interface is configured with Static IP, IPv4 Address 192.168.2.195, Subnet Mask 255.255.255.224, Default Gateway 192.168.2.193, and DNS Server 0.0.0.0. IPv6 Configuration is also Static, with IPv6 Address, Link Local Address FE80::2D0:BCFF:FE98:C64B, Default Gateway, and DNS Server. 802.1X Security is disabled, and Authentication is set to MD5.

Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	192.168.2.195
Subnet Mask	255.255.255.224
Default Gateway	192.168.2.193
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> Automatic	<input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::2D0:BCFF:FE98:C64B
Default Gateway	
DNS Server	
802.1X	
<input type="checkbox"/> Use 802.1X Security	
Authentication	MD5
Username	
Password	

# Full Network

